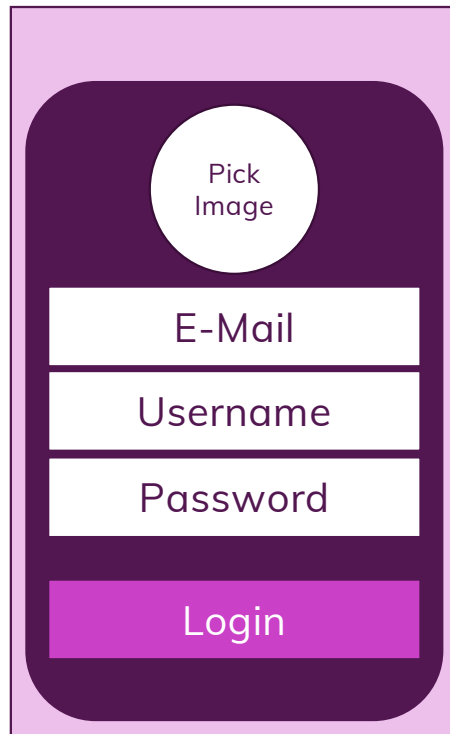
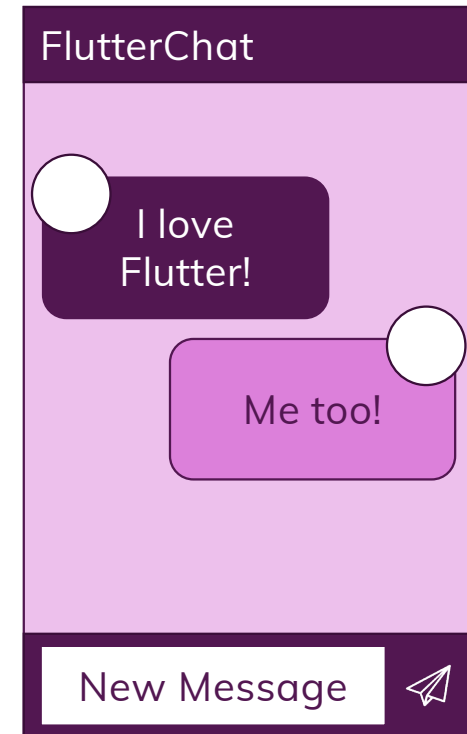


What We're Going To Build



A vertical login form with a light purple background. At the top is a circular button labeled "Pick Image". Below it are three white rectangular input fields labeled "E-Mail", "Username", and "Password". At the bottom is a purple rectangular button labeled "Login".

Authentication +
Image Upload



A chat interface titled "FlutterChat" with a dark purple header. The main area has a light purple background and contains two message bubbles: a dark purple one saying "I love Flutter!" and a light purple one saying "Me too!". At the bottom is a white input field labeled "New Message" with a paper plane icon to its right.

Realtime Messages,
Push Notifications

What's Firebase?

(not just a “dummy backend API”)

Firebase is a fully managed backend service

Data storage / Database

Push Notifications

File Storage

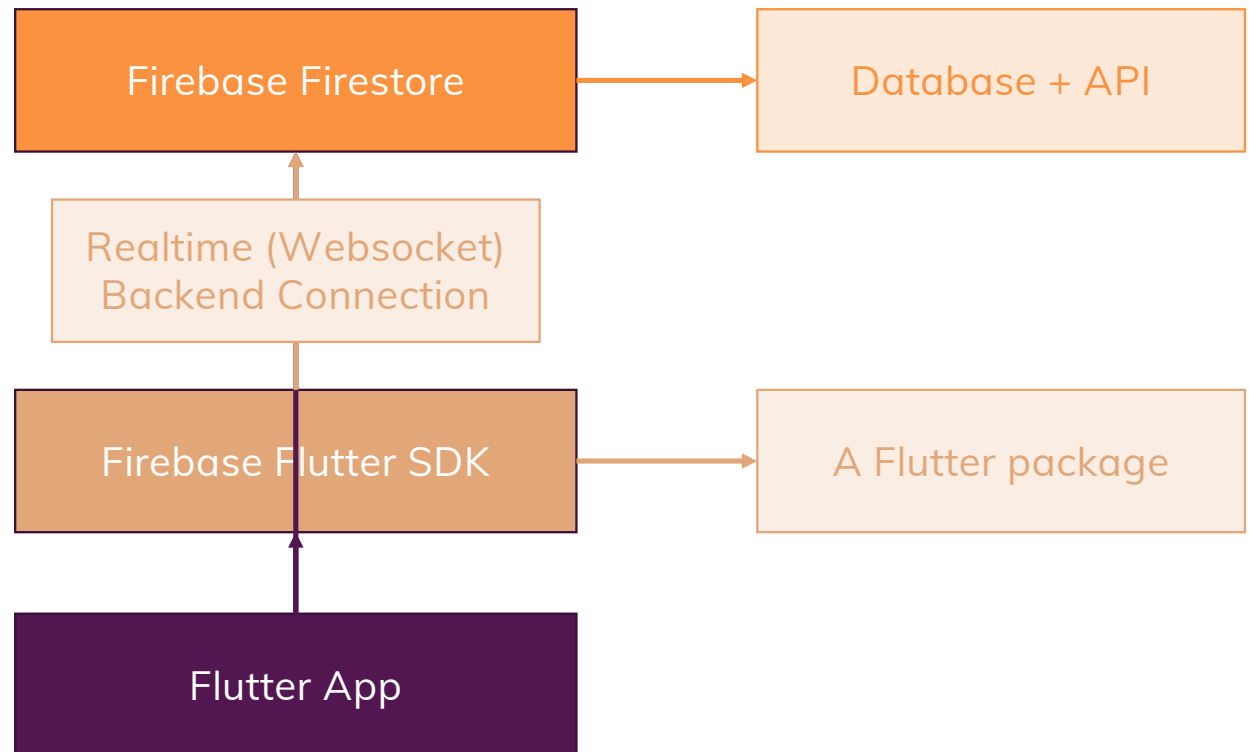
Analytics

And more ...

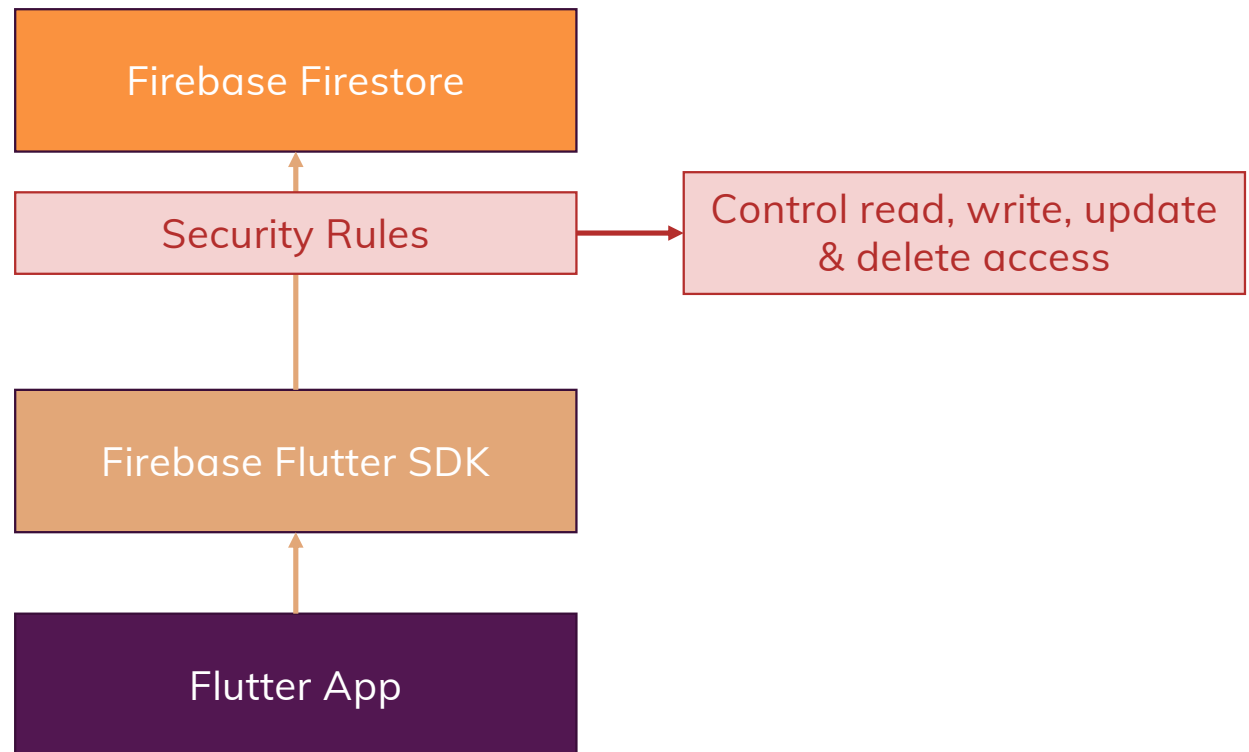
Authentication

On-demand Server-side
Code (Cloud Functions)

Using Firestore



Understanding Firebase Rules



Authentication With The Firebase SDK

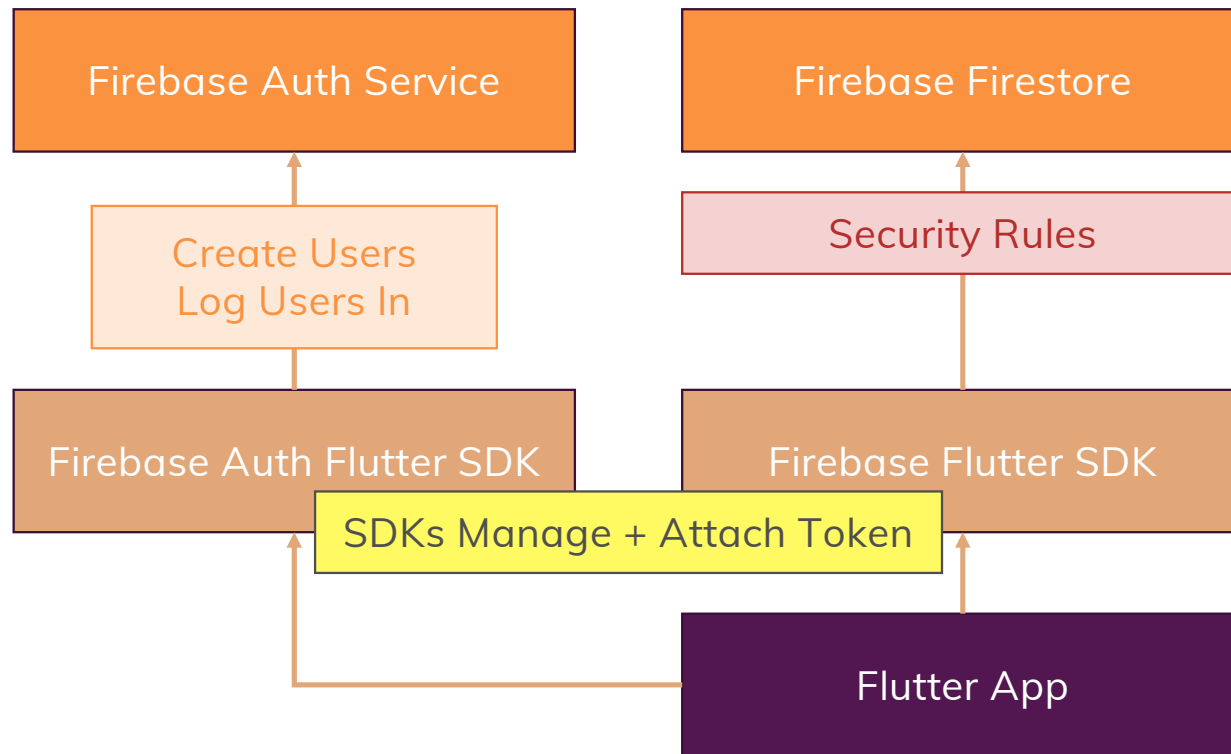


Image Upload With & Without Firebase

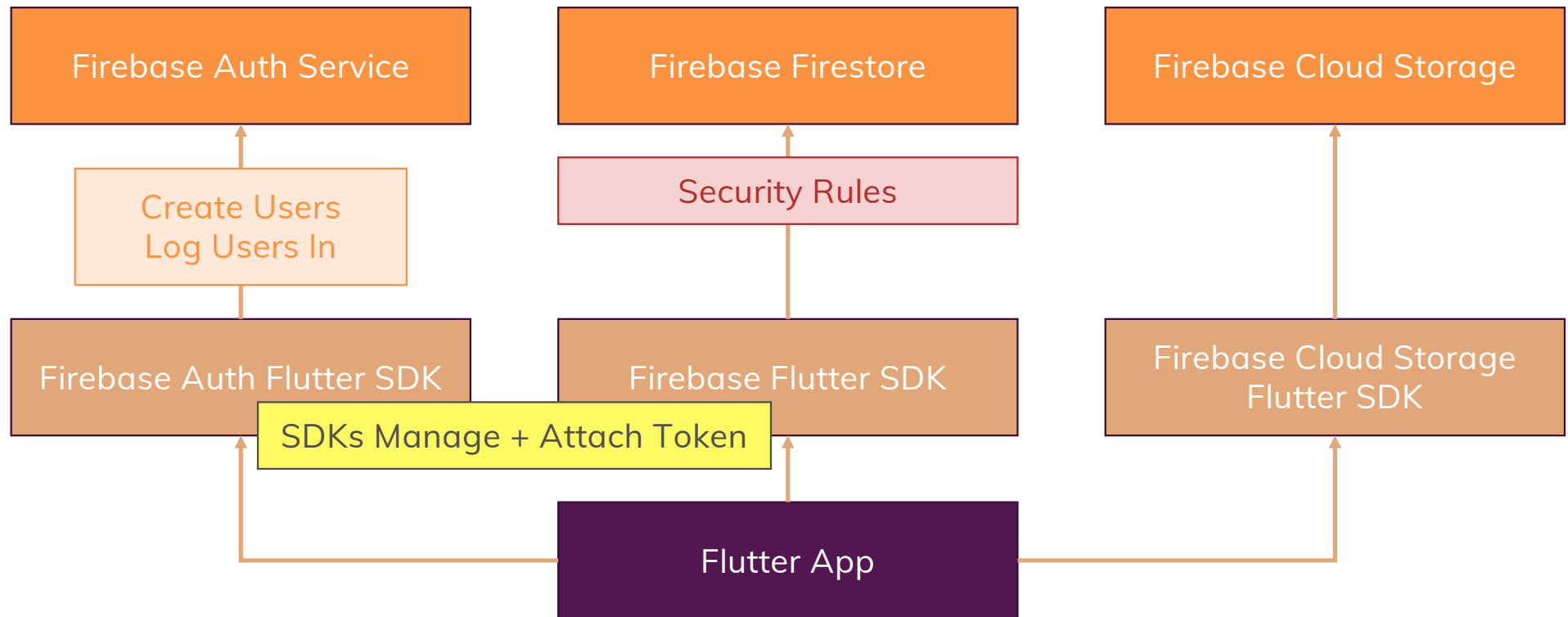
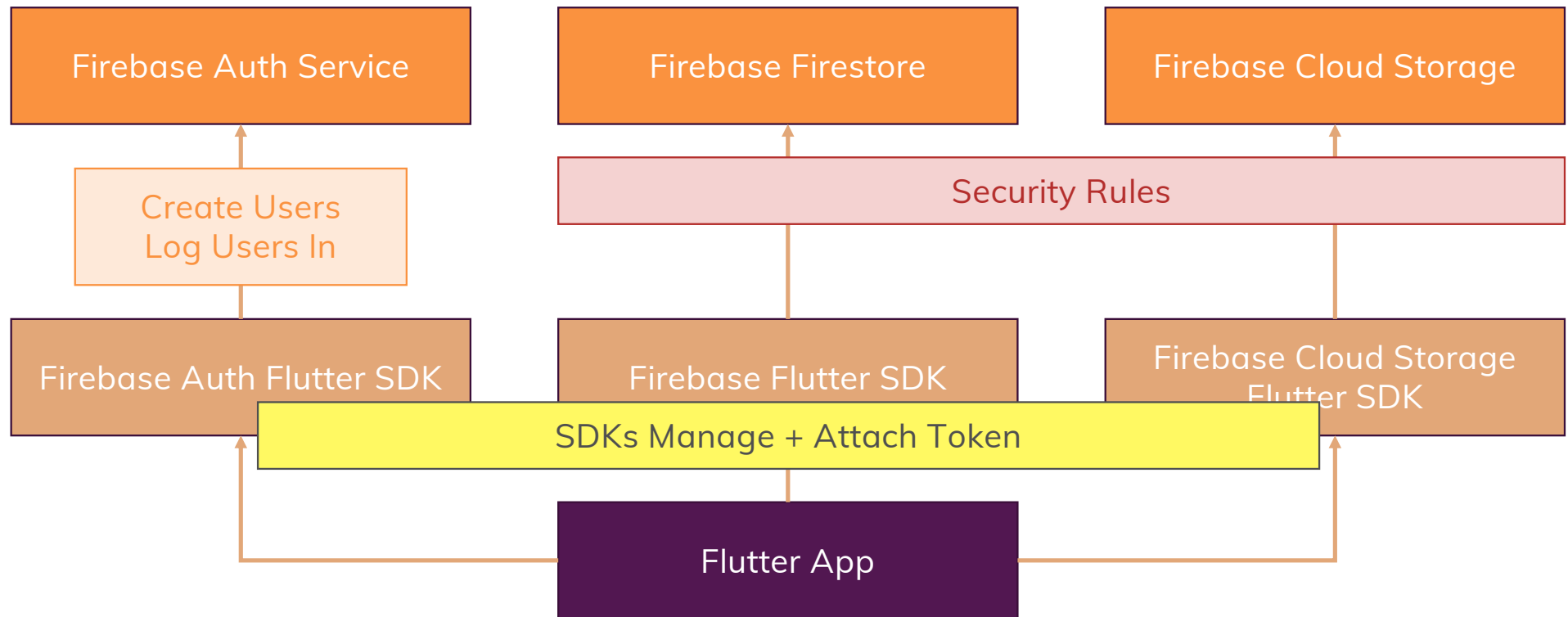
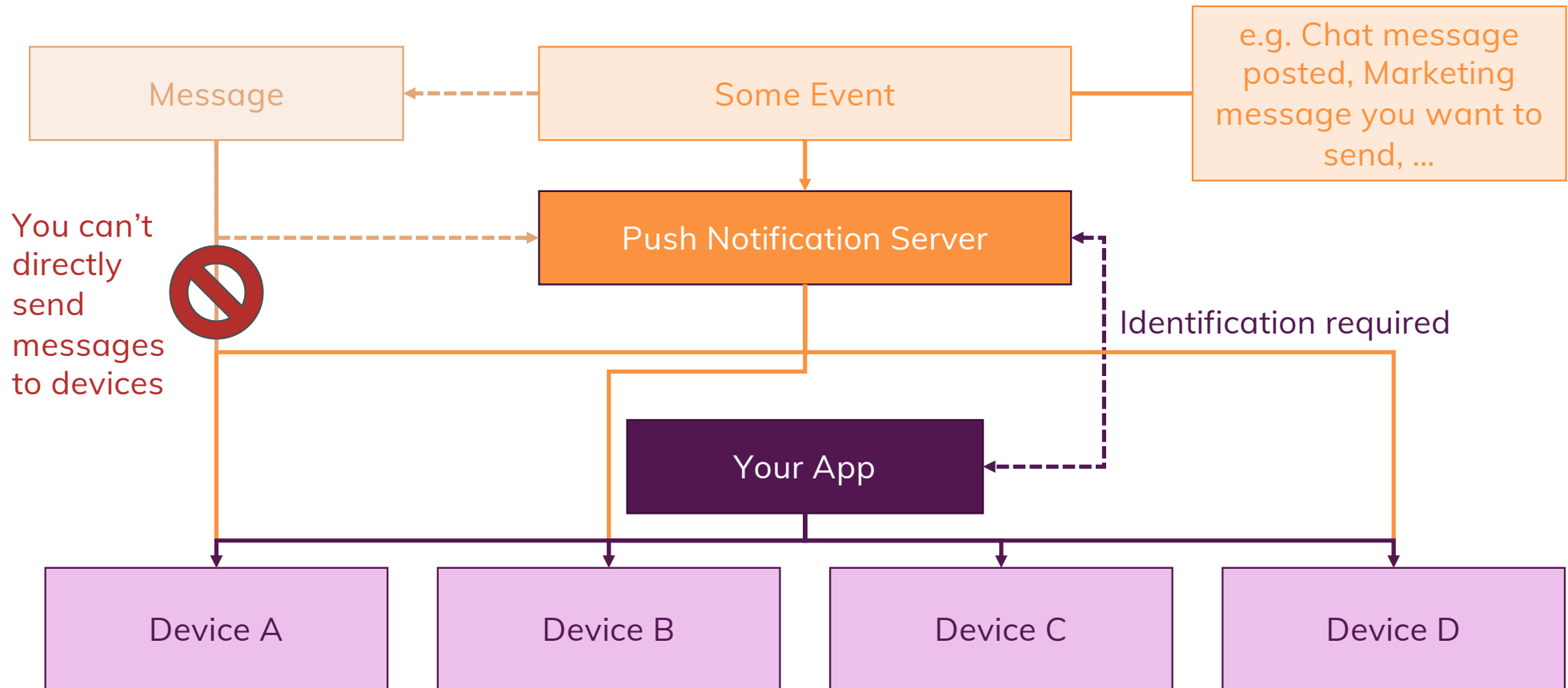


Image Upload With & Without Firebase



Push Notifications



Firestore & Push Notifications

